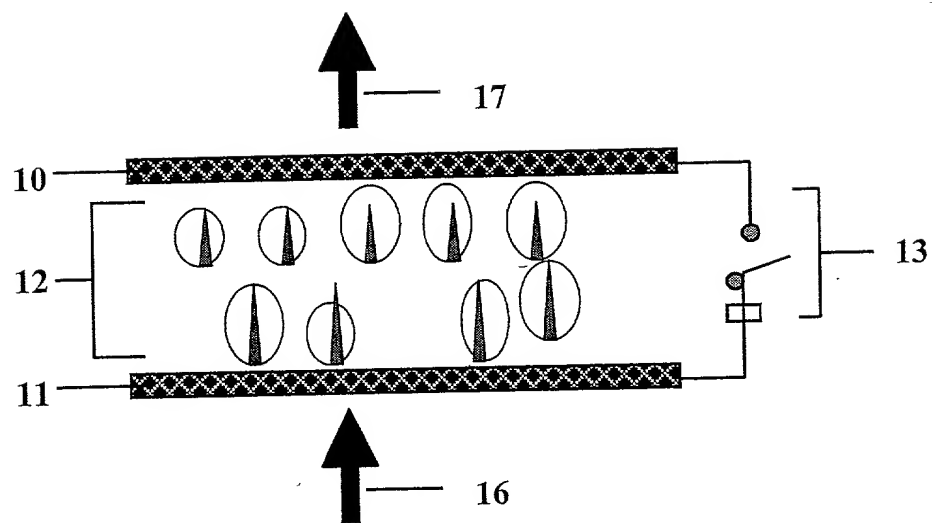


Off State
Scatters Light, White

FIG. 1a



On State
Transparent, Clear

FIG. 1b

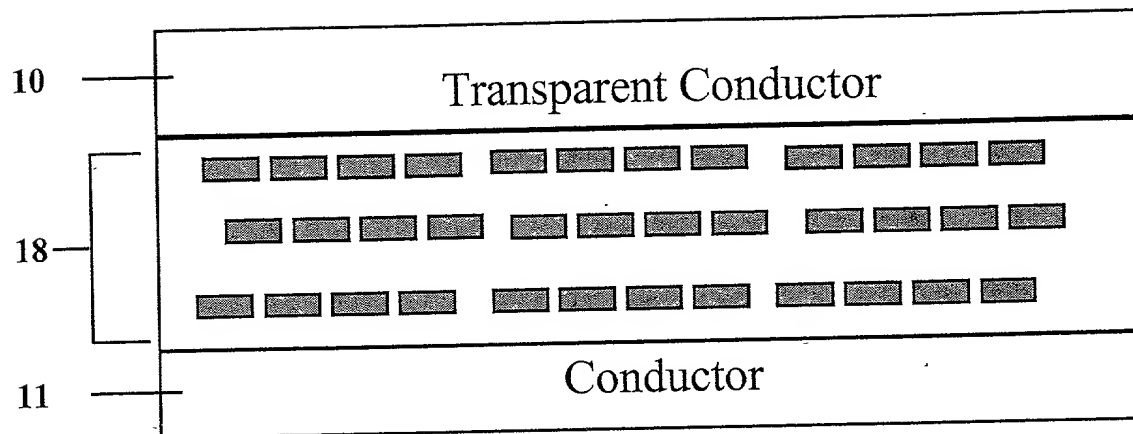


FIG. 1c

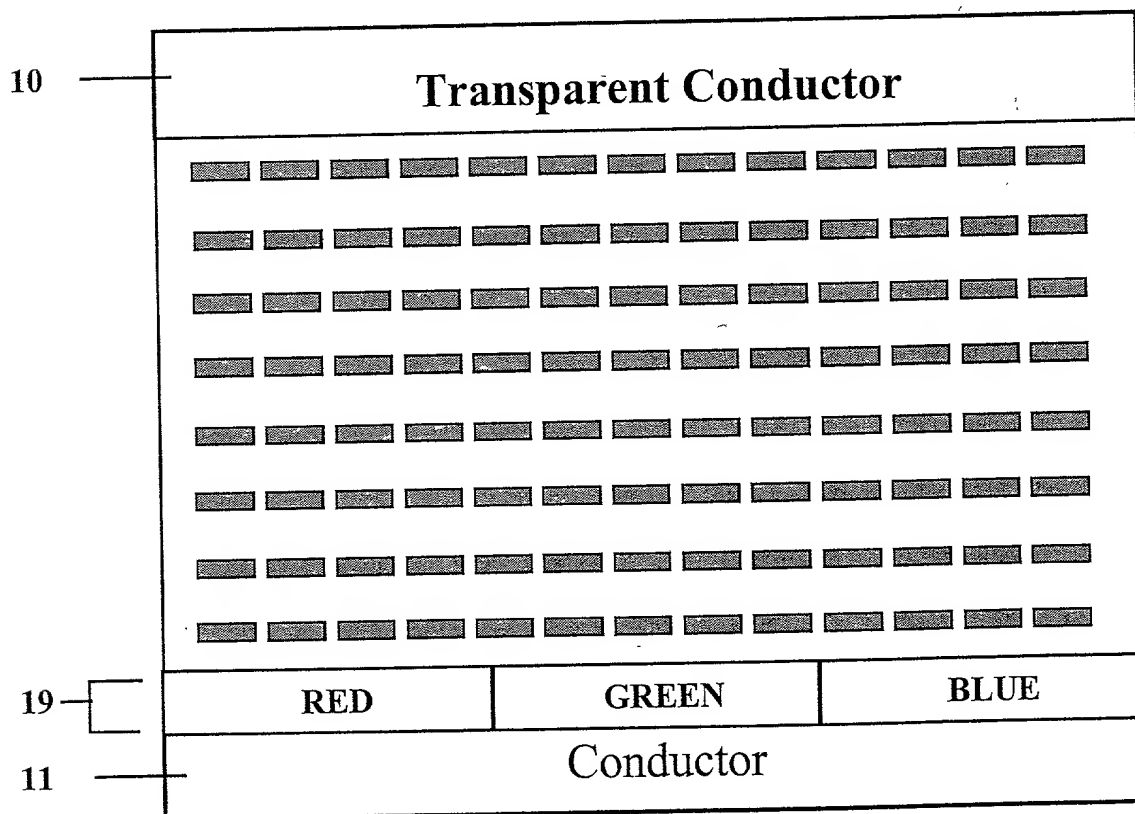


FIG. 1d

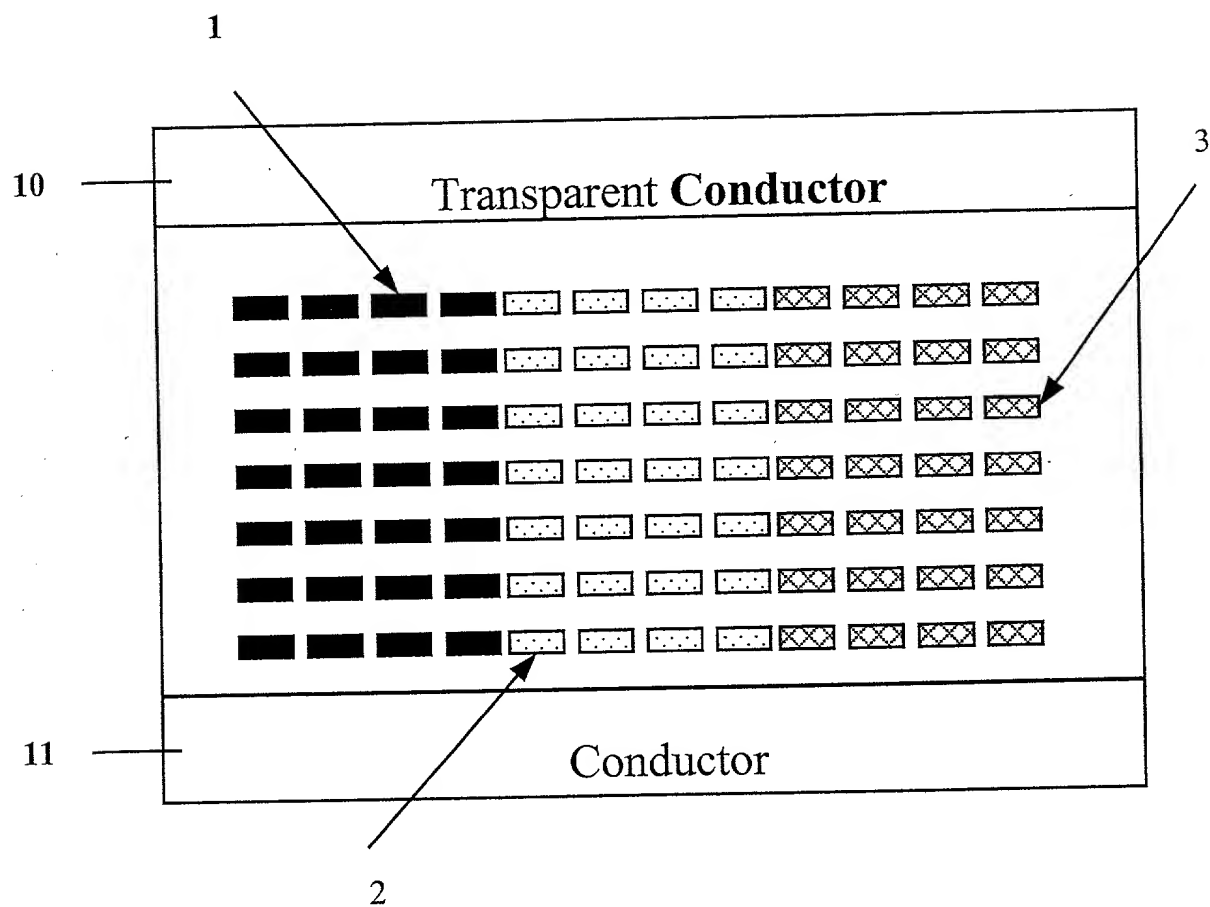


FIG. 1e

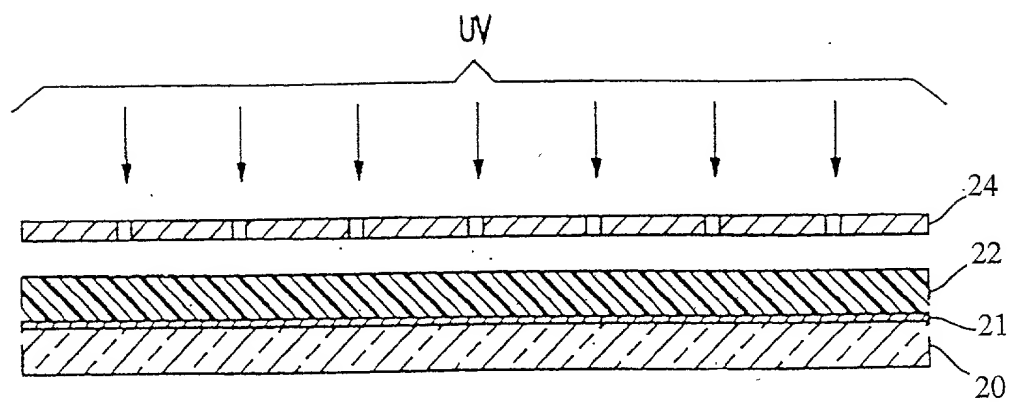


FIG. 2a

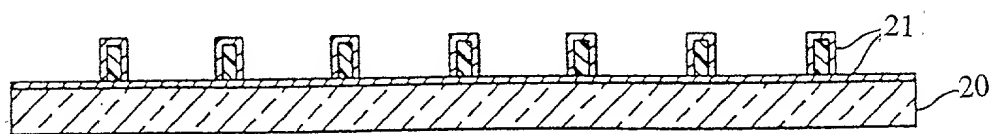


FIG. 2b

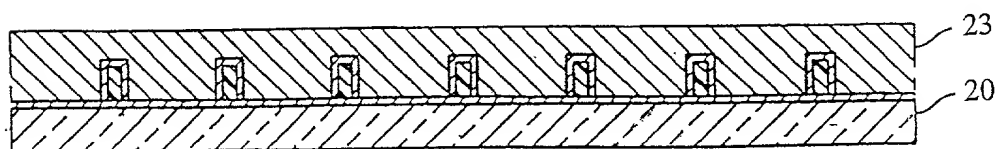


FIG. 2c

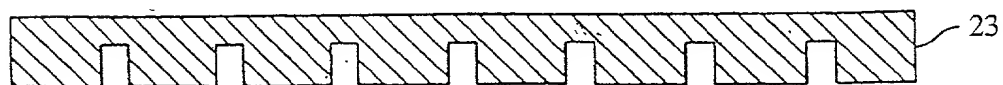


FIG. 2d

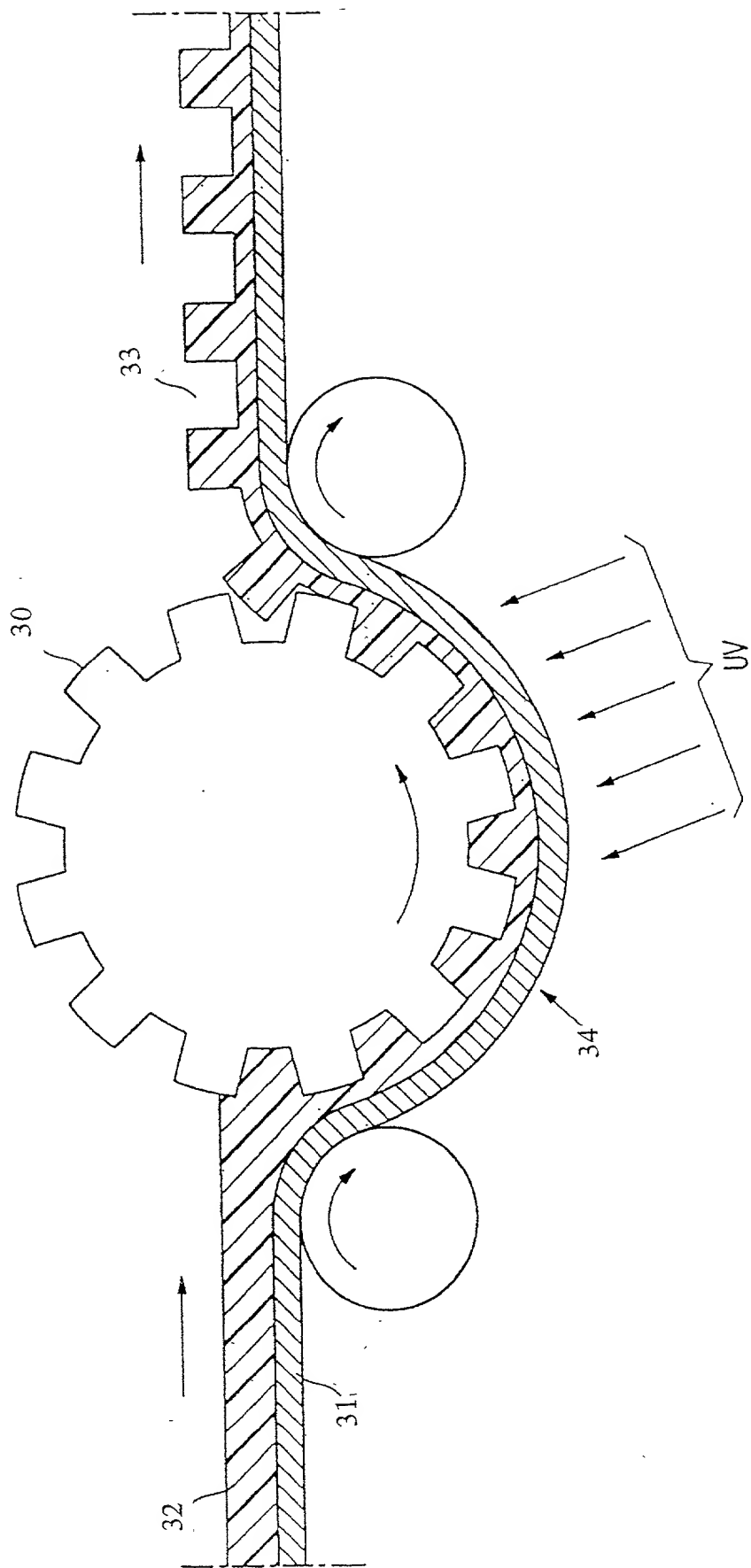


FIG. 3a

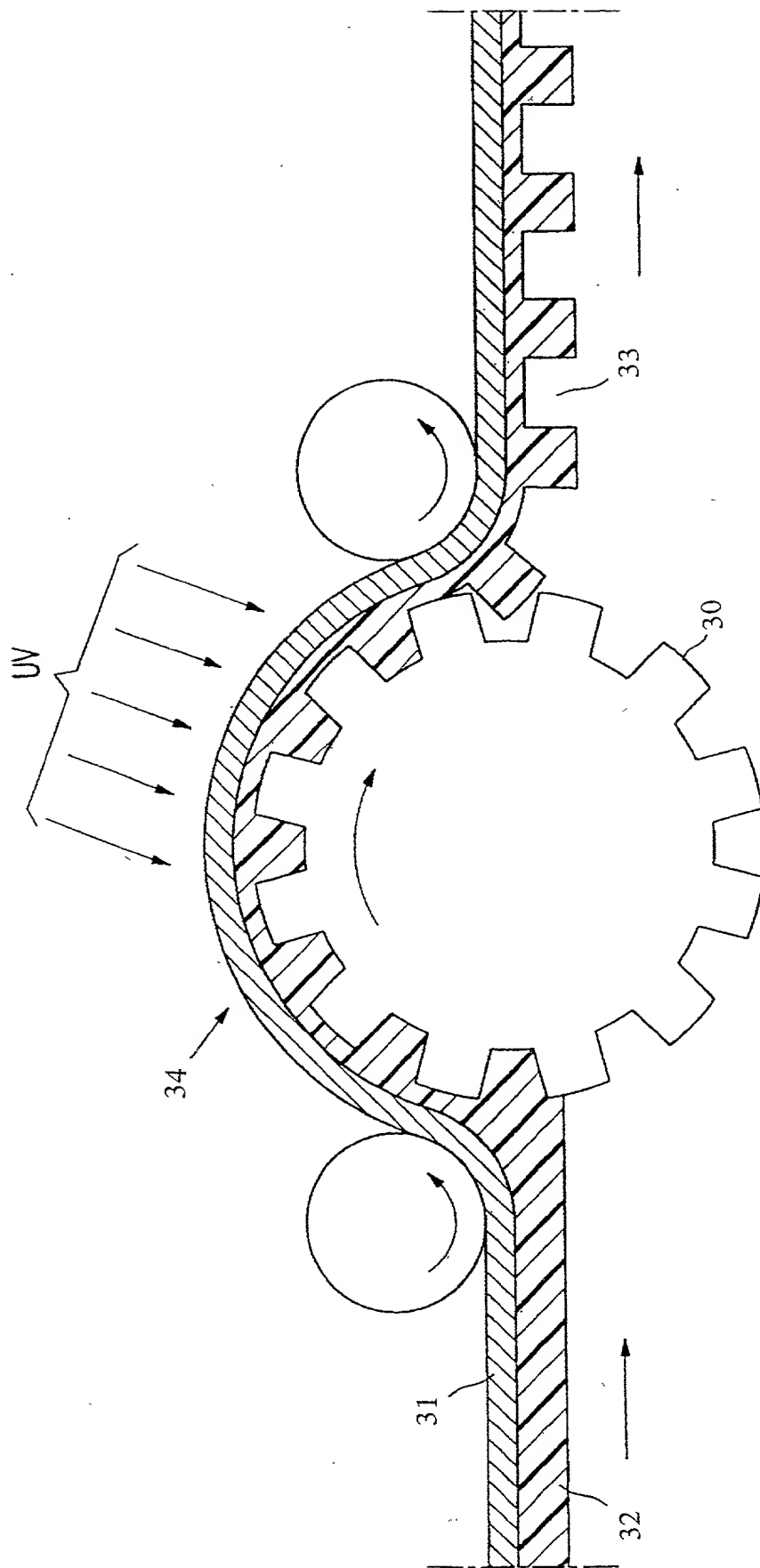


FIG. 3b

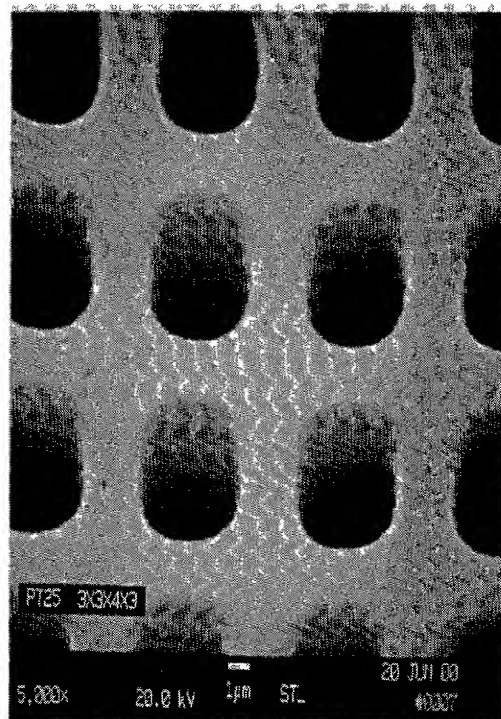


FIG. 4a

SEM Micrograph of Microcups
4.3 x 4.3 x 4.4 x 2.4 μm (5000x)
(L x W x D x Wall)
Opening Area 41%

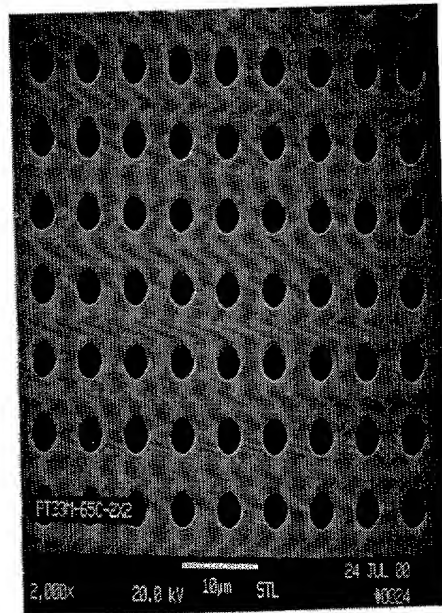
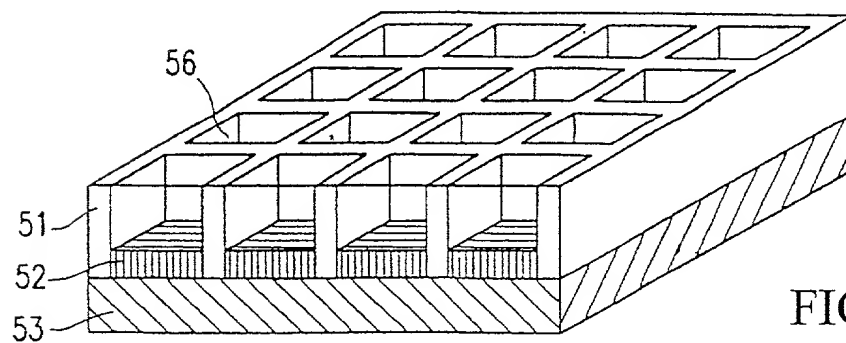
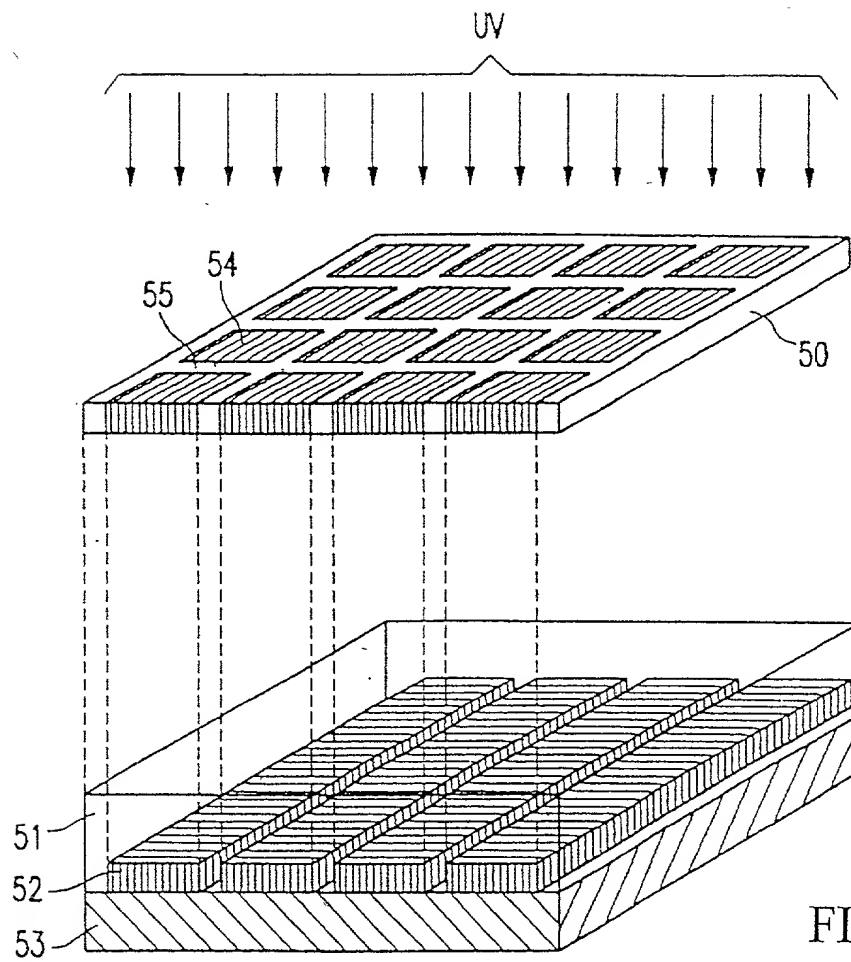


FIG. 4b

SEM Micrograph of Microcups
3.5 x 3.5 x 3.5 x 2.5 μ m (2000x)
(L x W x D x Wall)
Opening Area 34%



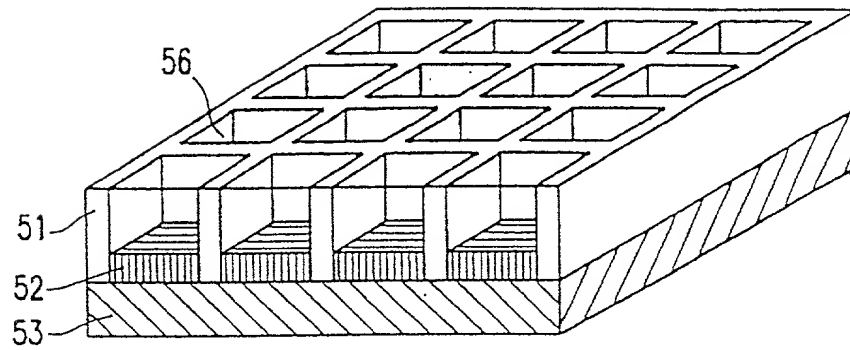


FIG. 5b2

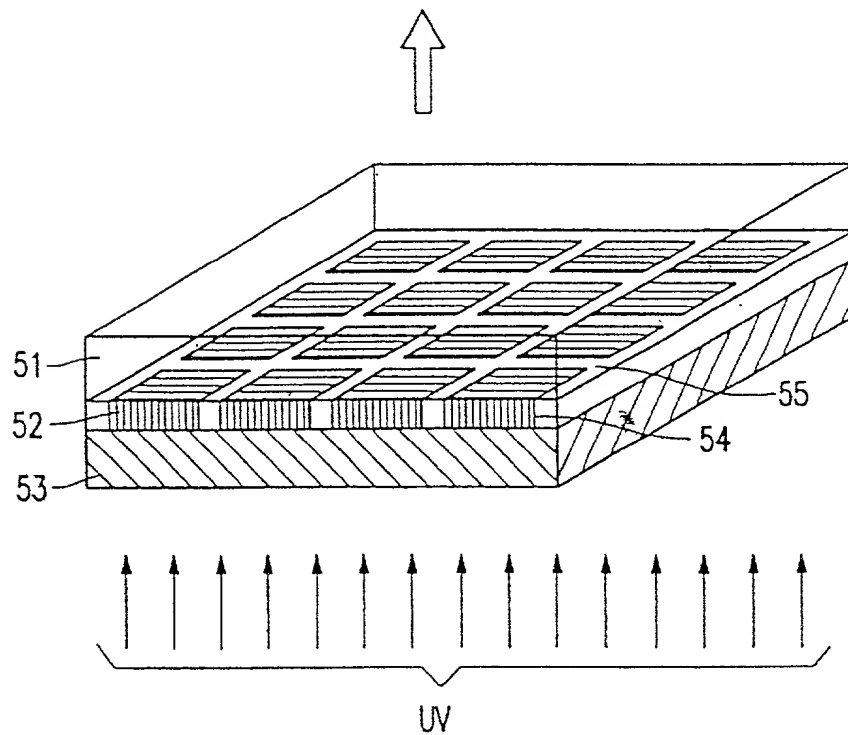


FIG. 5b1

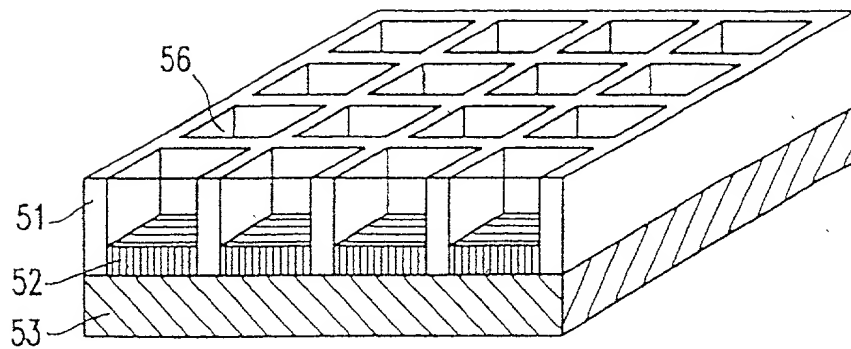


FIG. 5c2

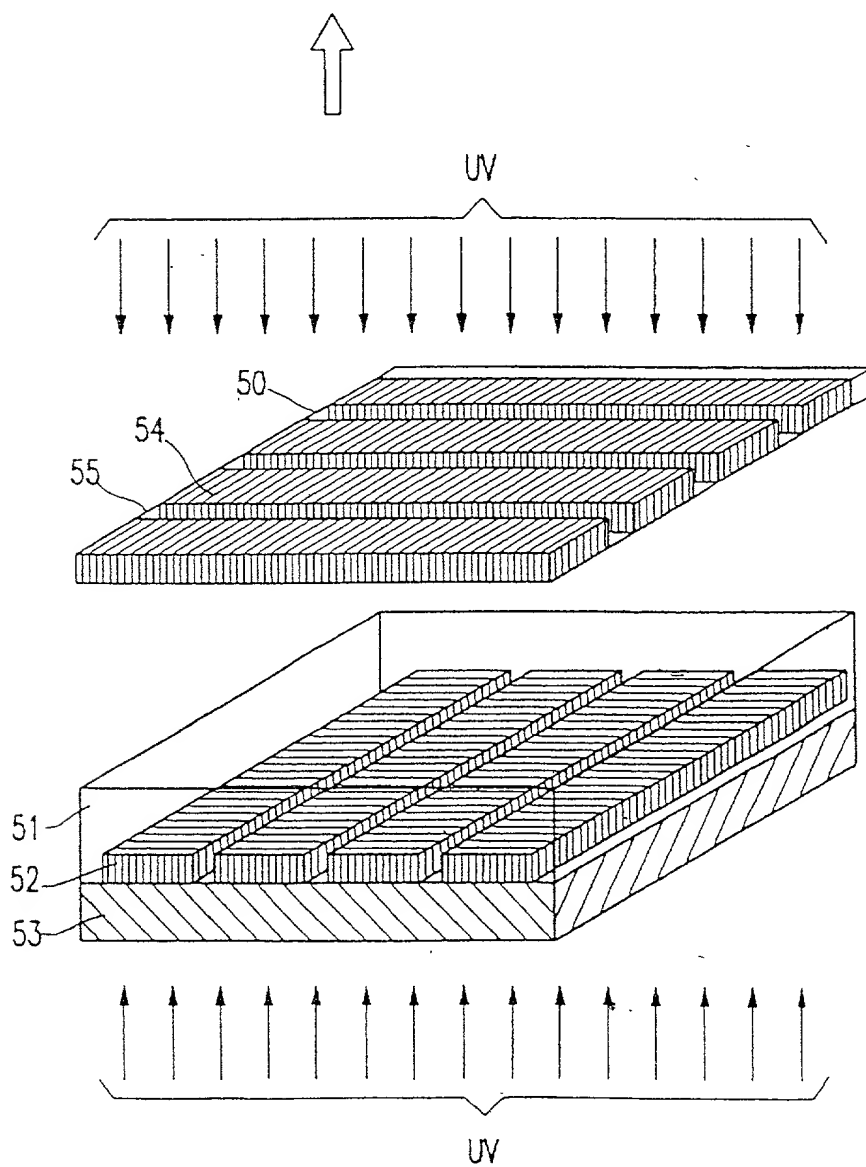


FIG. 5c1

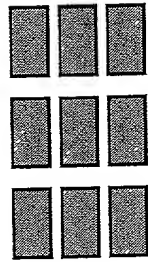


FIG. 6a

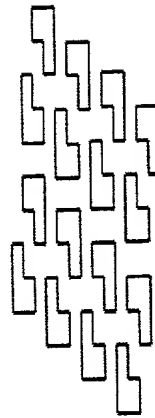


FIG. 6b

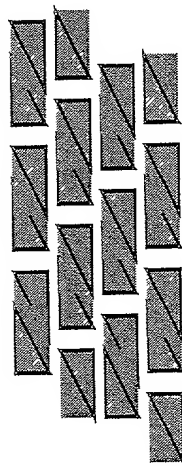


FIG. 6c

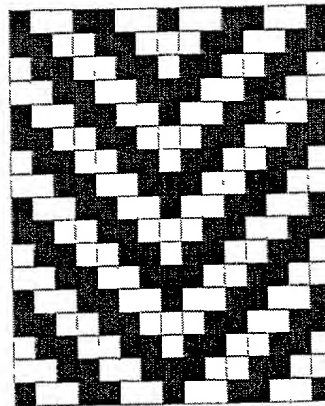


FIG. 6d

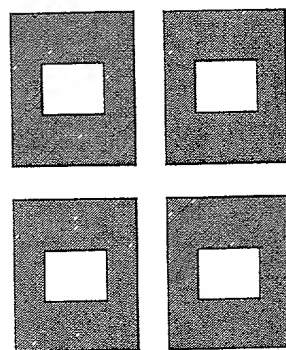


FIG. 6e

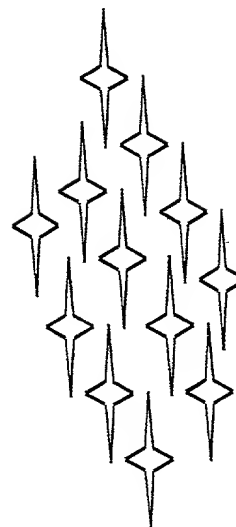


FIG. 6f

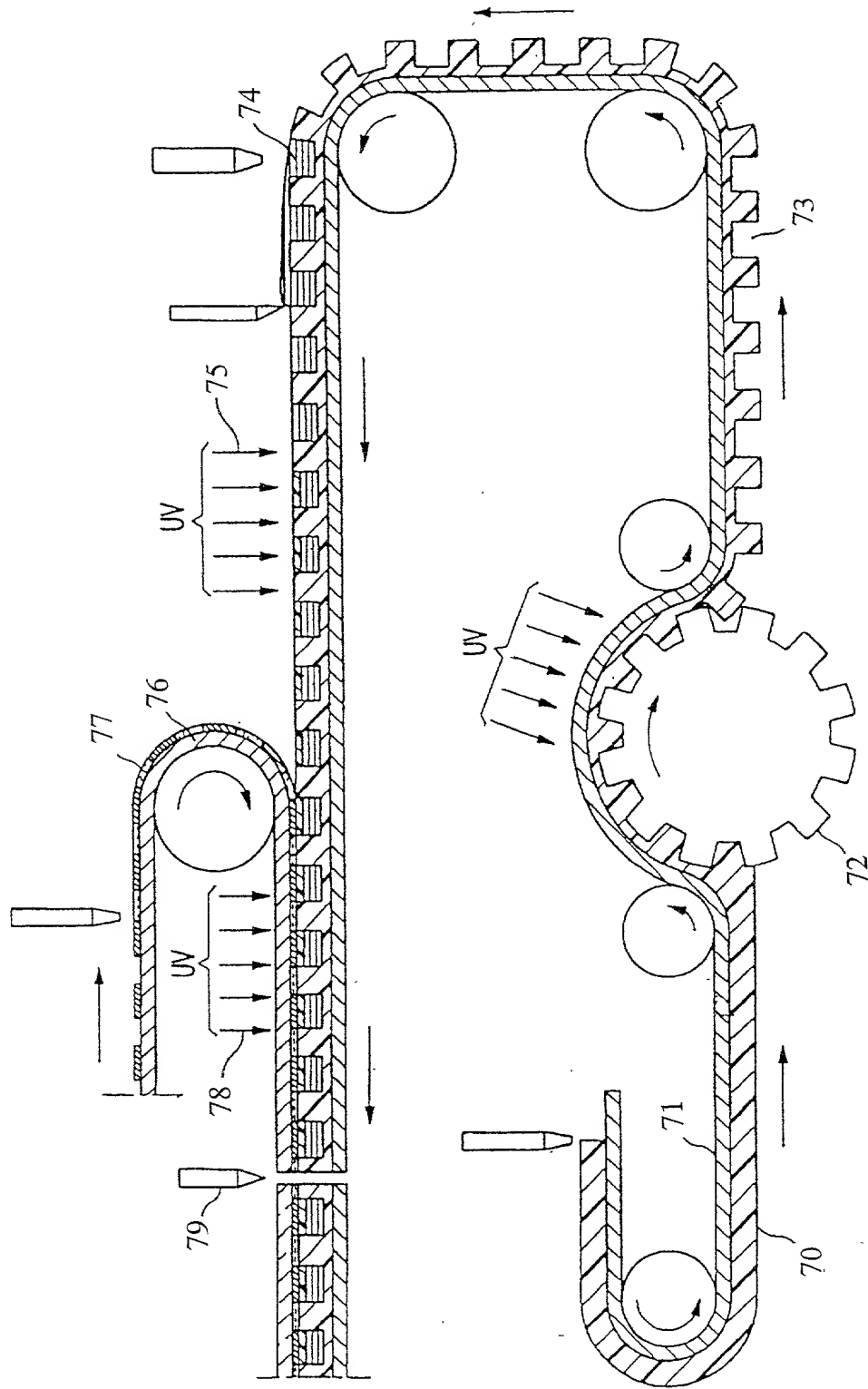


FIG. 7

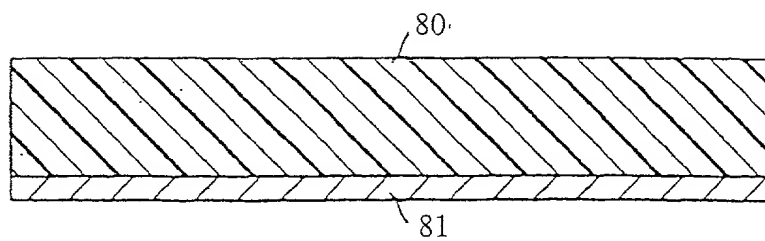


FIG. 8a

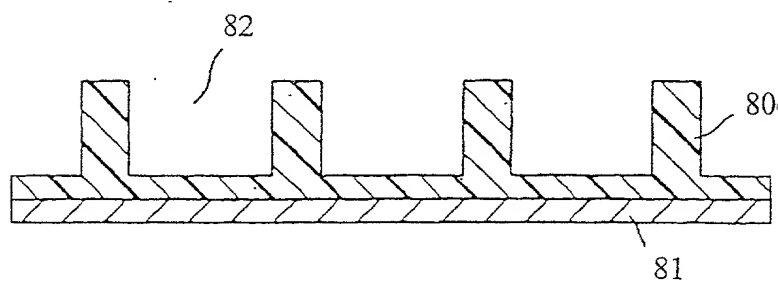


FIG. 8b

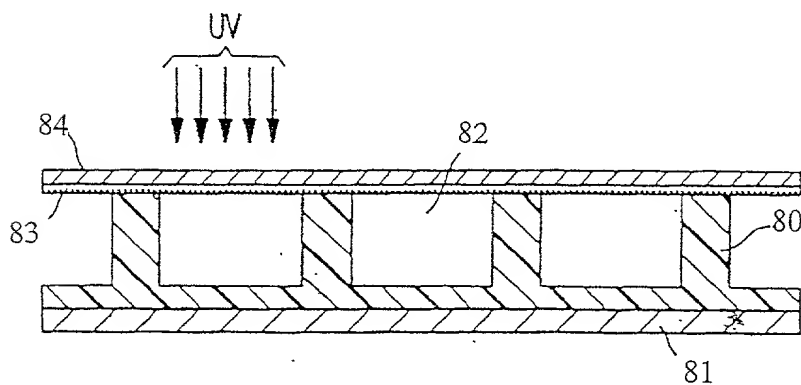


FIG. 8c

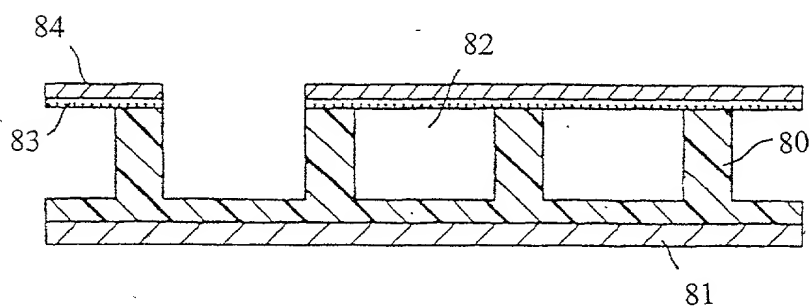


FIG. 8d

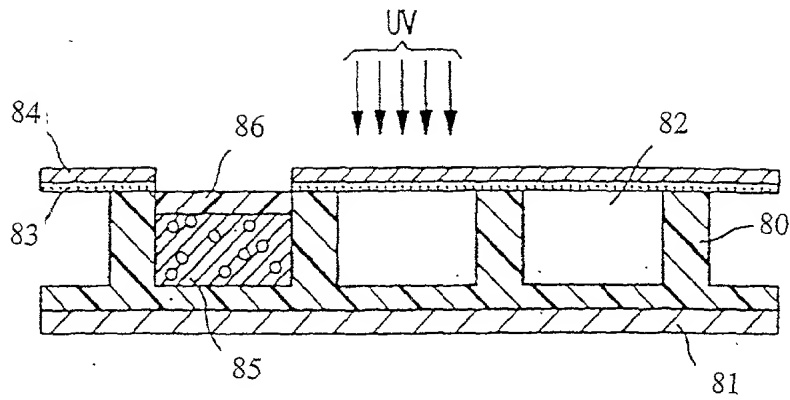


FIG. 8e

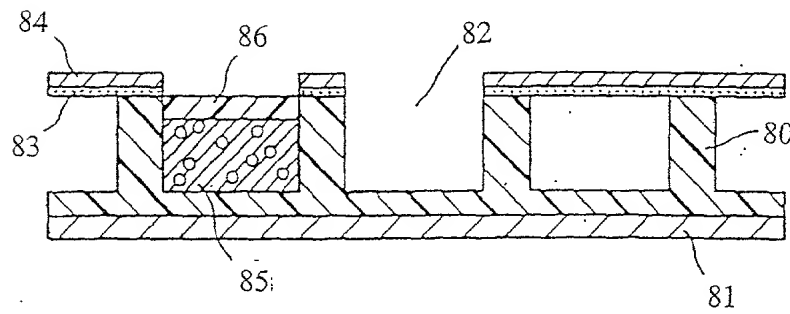


FIG. 8f

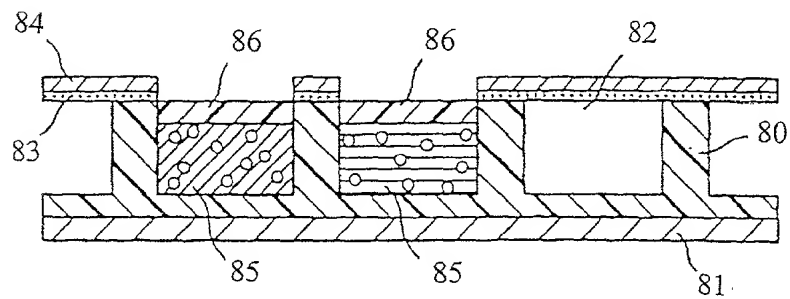


FIG. 8g

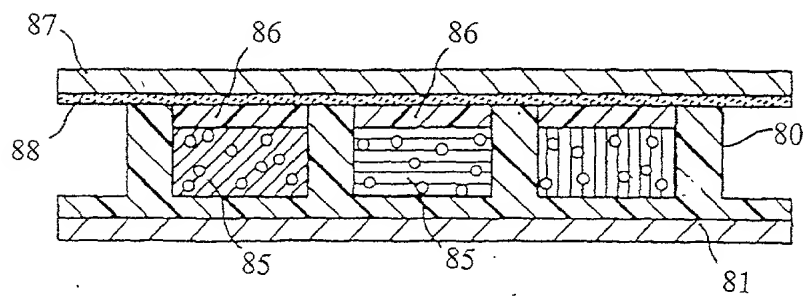


FIG. 8h

Optical Response (a.u.)

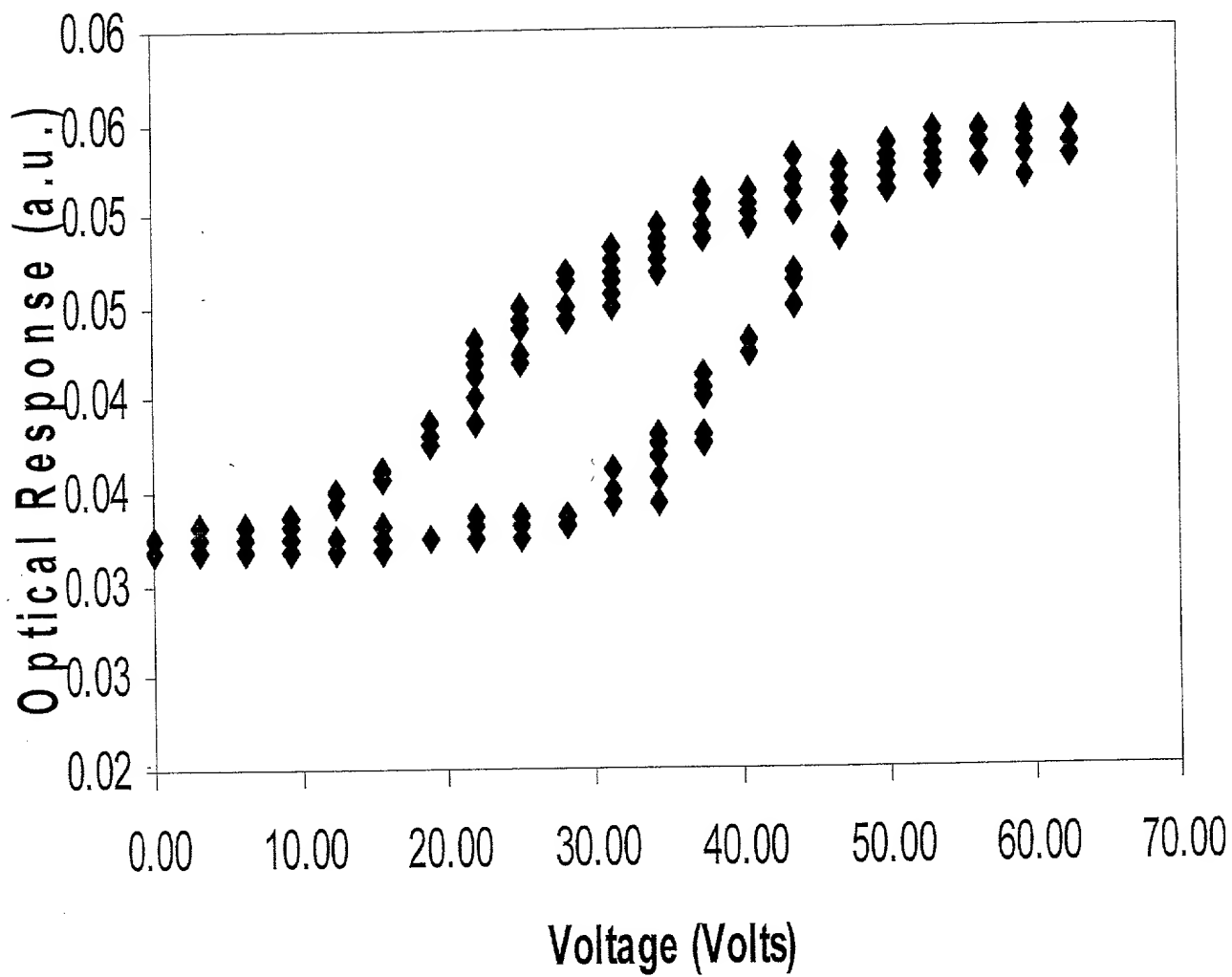


FIG. 9a

Hysteresis Curve of Conventional PDLC

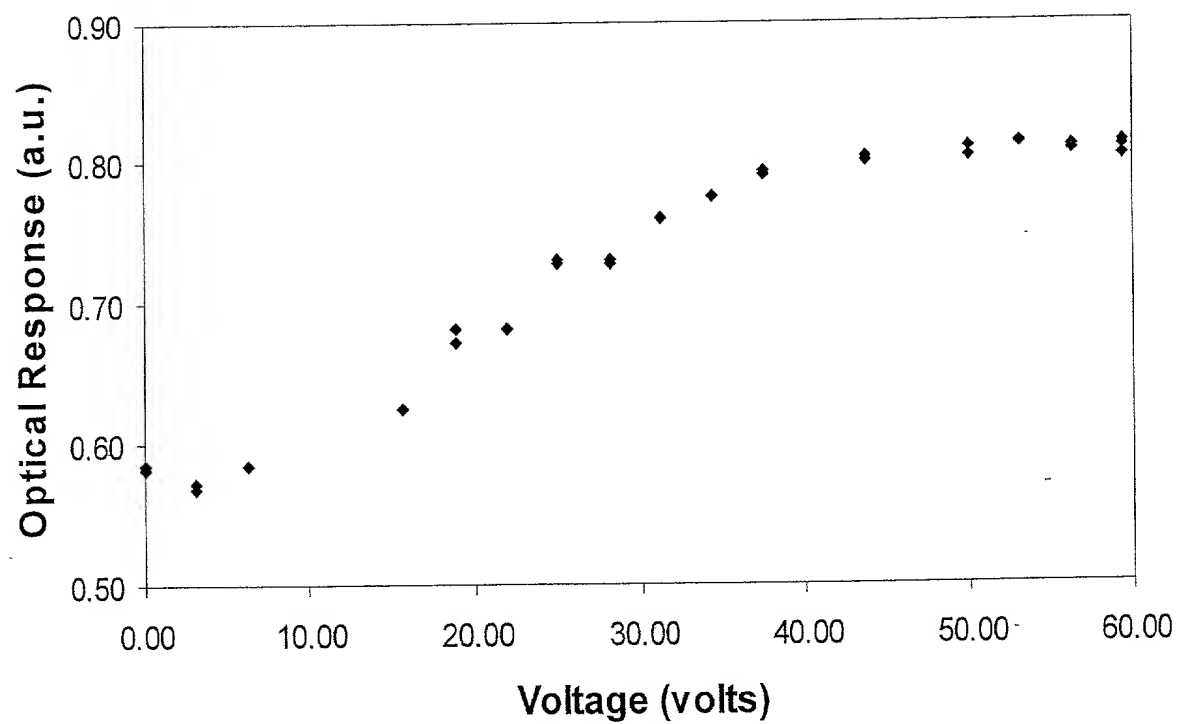


FIG. 9b

Hysteresis Curve of a LCD of the Current Invention

Declaration, Petition for Priority and Power of Attorney (US and PCT)

I (We), the undersigned inventor(s), hereby declare that:

My residence, post office address and citizenship is as stated below next to my name,

I (We) believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled: (as amended):

AN IMPROVED TRANSMISSIVE OR REFLECTIVE LIQUID CRYSTAL DISPLAY AND NOVEL PROCESS FOR ITS MANUFACTURE

which has in the offices of the law firm of Heller Ehrman White & McAuliffe the Attorney Docket number 26822-0003 US, the specification of which:

☒ is attached hereto on and filed herewith on: **January 11, 2001**

☐ was filed on: as Application Serial No.:

and amended (if applicable) on:

☐ was filed as PCT International Appl. No.: on:

and amended under PCT Article 19 (if applicable) on:

I (We) hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I (We) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

I (We) hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or under §365(a) of any PCT International application which designated at least one country other than the United States, listed below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s):

Foreign Application No.	Country	Day/Month/Year	Priority Claimed	
none			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

I (We) hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
none	

I (We) hereby claim the benefit under 35 U.S.C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States or PCT application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I (We) acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

US or PCT Application Serial No.	Filing Date	Status (pending, patented, abandoned)
none		

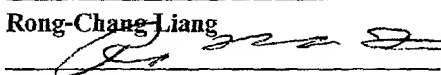
And I hereby appoint the following persons:

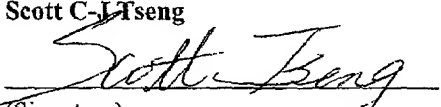
JONES, Rosemarie F.	US Reg. No. 46,253	HALL, David A.	US Reg. No. 32,233
ANDERSON, William	US Reg. No. 41,585	KURZ, Walter	US Reg. No. 37,373
BOYD, Victoria	US Reg. No. 43,510	LYNCH, Edward J.	US Reg. No. 24,422
CHOW, Y. Ping	US Reg. No. 30,740	MARK, Priscilla H.	US Reg. No. 41,970
FREYBERG, Derek P.	US Reg. No. 29,250	SCHMONSEES, William	US Reg. No. 31,796
VON MORZE, Herwig	US Reg. No. 29,484	TRONSON, Soodabeh	US Reg. No. 41,354


as attorneys, with full powers of substitution and revocation, to prosecute this application, to insert the application number and filing date of this application hereon after filing, and to transact all business in the Patent Office connected therewith; and we hereby request that all correspondence regarding this application be sent to Rosemarie F. Jones, Esq., Heller Ehrman White & McAuliffe LLP, 275 Middlefield Road, Menlo Park, CA 94025, Phone number 650-324-7000 (Fax 650-324-0638).

And I (We) hereby appoint the above named attorneys as agents to act on Applicant's behalf before all the competent International Authorities in connection with any International Application based on this application and before all corresponding designated and elected National Patent Offices upon National Stage filing from the aforesaid International Application, and to make or receive payments on behalf of the undersigned.

I (We) declare that all statements made herein of my (our) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18, United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

<u>Name Of Sole or First Inventor:</u>	<u>Residence:</u> 1020 Bluebonnet Drive
Rong-Chang Liang	Sunnyvale, CA 94086
	<u>Citizen of:</u> USA
(Signature)	
<u>Date:</u> 1/10/2001	<u>Post Office Address:</u> same

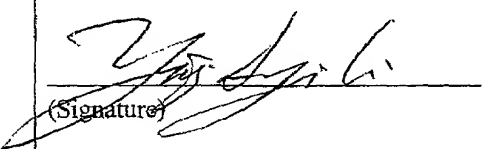
<u>Name Of Second Inventor:</u>	<u>Residence:</u> 1042 Reed Terrace, #4
Scott C.-J Tseng	Sunnyvale, CA 94086
	<u>Citizen of:</u> Taiwan
(Signature)	
<u>Date:</u> 01/10/2001	<u>Post Office Address:</u> Same

<u>Name Of Third Inventor:</u>	<u>Residence:</u> 2509 Sunnystone Way
Xuan Phan	Raleigh, NC 27613
	<u>Citizen of:</u> USA
(Signature)	
<u>Date:</u> 01/10/2001	<u>Post Office Address:</u> Same

Name Of Fourth Inventor:

Ying-Syi Li

Residence: 1489 Shaffer Drive
San Jose, CA 95132


(Signature)

Citizen of: Taiwan

Date:

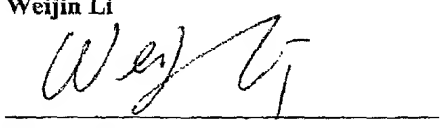
01-10-01

Post Office Address: Same

Name Of Fifth Inventor:

Weijin Li

Residence: 2390 Lucretia Ave., Apt. 807
San Jose, CA 95122


(Signature)

Citizen of: CHINA

Date:

01/10/01

Post Office Address: Same

#271862 v1 - W97 - 26822-0003 Declaration and POA